

**Attorney Docket No. EOS-62
PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:)
)
MORITA; MUROI; KAKUTA)
)
Serial No. 09/996,777)
)
Filed: November 30, 2001)

For: **MULTIPLE LAYERS LAMINATED POLYOLEFIN FOAM**

Appendix A

Please amend the following claims as indicated in the following claims according to the proposed revision to 37 C.F.R. §1.121 concerning a manner for making claim amendments.

1. (Currently Amended) A multiple layers laminated polyolefin foam having a plurality of polyolefin layers laminated on at least one side of a polyolefin foam by a coextrusion method, wherein the thickness of the outermost layer constituting said plurality of polyolefin layers is 5 to 80 μm , and the density d (g/L) of said polyolefin foam, the melt flow rate X (g/10 min) of the polyolefin resin constituting the innermost layer among said plurality of polyolefin layers, and the thickness Y (μm) of the innermost layer of said plurality of

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polyolefin layers satisfy the following relationships (1) to

(4):

$$Y \leq 0.29 d X \quad \dots (1)$$

$$5 \leq X \leq 40 \quad \dots (2)$$

$$70 \leq Y \leq 300 \quad \dots (3)$$

$$100 \leq d \leq 300 \quad \dots (4)$$

2. (Original) The multiple layers laminated polyolefin foam according to claim 1, wherein the density d (g/L) of the polyolefin foam is 120 to 300 g/L, the melt flow rate X (g/10 min) of the polyolefin constituting the innermost layer among the polyolefin layers is 8 to 40 g/10 min, and the thickness Y (μm) of the innermost layer among the polyolefin layers is no more than $0.26dX$.

3. (Original) The multiple layers laminated polyolefin foam according to claim 1, wherein the base resin constituting the polyolefin foam and the polyolefin layers in the multiple layers laminated polyolefin foam is of at least one type selected from polypropylenes and polyethylenes.

Claims 4-14 (Cancelled)

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15. (Previously added) The multiple layers laminated polyolefin foam according to claim 1, wherein the outermost layer among the polyolefin layers in the multiple layers laminated polyolefin foam contains a polymer type antistatic agent so that the surface resistivity is no more than $1 \times 10^{13} \Omega$.

16. (Previously added) The multiple layers laminated polyolefin foam according to claim 15, wherein the polymer-type antistatic agent comprises a compound of at least one type selected from polyetheresteramides and polyethers as the main component.

17. (Previously added) The multiple layers laminated polyolefin foam according to claim 16, wherein the polyetheresteramide is a polymer obtained by polymerization reaction of a polyamide with an alkylene oxide adduct of a bisphenol.

18. (Previously added) The multiple layers laminated polyolefin foam according to claim 17, wherein the polyamide is of at least one type selected from caprolactam polymer, 12-aminododecanoic acid polycondensate, and adipic acid-hexamethylene diamine polycondensate.

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19. (Previously added) The multiple layers laminated polyolefin foam according to claim 16, wherein the polyether is a compound having at least two quaternary ammonium bases and is the reaction product of (a) an oxyalkylene ether obtained by addition reaction of an alkylene oxide with a phenol-divinyl benzene addition polymer, (b) one type of glycidyl ether selected from glycidyl ethers of polyoxyalkylene glycols and glycidyl ethers of adducts of phenols and alkylene oxides, an amine compound having an aliphatic hydrocarbon group containing 1 to 22 carbon atoms, and a quaternizing agent.

20. (Previously added) The multiple layers laminated polyolefin foam according to claim 19, wherein (a) the polyoxyalkylene ether is an adduct obtained by the addition reaction of ethylene oxide and a copolymer of ethylene oxide and propylene oxide with a bisphenol-divinyl benzene addition polymer, (b) the glycidyl ether of polyoxyalkylene glycol is glycidyl ether of polyoxyethylene glycol, and the adduct of a phenol and an alkylene oxide is an adduct of bisphenol and ethylene oxide.

21. (Previously added) The multiple layers laminated polyolefin foam according to claim 15, wherein the polymer-type

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antistatic agent is present in the outermost polyolefin layer in an amount of from 2 to 30 wt.%.

22. (Previously added) The multiple layers laminated polyolefin foam according to claim 16, wherein the polymer-type antistatic agent is present in the outermost polyolefin layer in an amount of from 2 to 30 wt.%.

23. (Previously added) The multiple layers laminated polyolefin foam according to claim 15, wherein the ratio (α/β) of the melt flow rate (α) of the polymer-type antistatic agent and the melt flow rate (β) of the base resin constituting the outermost layer among the polyolefin layers is at least no less than 0.5.

24. (Previously added) The multiple layers laminated polyolefin foam according to claim 1 wherein the thickness of the entire laminated foam is 2 to 10 mm and the closed cell ratio of the laminated foam is at least no less than 60%.

25. (Previously added) The multiple layers laminated polyolefin foam according to claim 1 wherein the thickness of the entire laminated foam is 2 to 10 mm and the closed cell ratio of the laminated foam is at least no less than 70%.

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26. (Previously added) The multiple layers laminated polyolefin foam according to claim 1 wherein the thickness of the entire laminated foam is 2 to 10 mm and the closed cell ratio of the laminated foam is at least no less than 80%.

27. (New) The multiple-layer laminated polyolefin foam according to any of claim 1, wherein a base resin constituting the polyolefin foam has a ratio of insoluble components in boiling xylene of 0 to 10 wt%.

28. (New) The multiple-layer laminated polyolefin foam according to any of claim 1, wherein a base resin constituting the polyolefin foam has a ratio of insoluble components in boiling xylene of 0 to 5 wt%.

29. (New) The multiple-layer laminated polyolefin foam according to any of claim 1, wherein a base resin constituting the polyolefin foam has a ratio of insoluble components in boiling xylene of 0 to 2 wt%.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Group Art Unit: 1771
MORITA; MUROI; KAKUTA) Examiner: Hai Vo
Serial No. 09/996,777)
Filed: November 30, 2001)
For: MULTIPLE LAYERS LAMINATED POLYOLEFIN FOAM

Appendix B

Please amend the specification as indicated according to the proposed revision to 37 C.F.R. §1.121 concerning a manner for making specification amendments.

Please add the following new paragraphs after the paragraph ending on line 6, page 6:

--DRAWINGS

--Fig. 1 is a graphical representation of the relationship $Y \leq 0.29dX$ where Y is the vertical axis and represents the thickness of an innermost layer of a plurality of polyolefin layers in μm and X is the horizontal axis and represents the melt flow rate of the innermost layer of a plurality of polyolefin layers in g/10min where $d = 100 \text{ (g/L)}$.

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Fig. 2 is a graphical representation of the relationship $Y \leq 0.29dX$ where Y is the vertical axis and represents the thickness of an innermost layer of a plurality of polyolefin layers in μm and X is the horizontal axis and represents the melt flow rate of the innermost layer of a plurality of polyolefin layers in g/10min where $d = 150 \text{ (g/L)}$.

Fig. 3 is a graphical representation of the relationship $Y \leq 0.29dX$ where Y is the vertical axis and represents the thickness of an innermost layer of a plurality of polyolefin layers in μm and X is the horizontal axis and represents the melt flow rate of the innermost layer of a plurality of polyolefin layers in g/10min where $d = 207 \text{ (g/L)}$.--